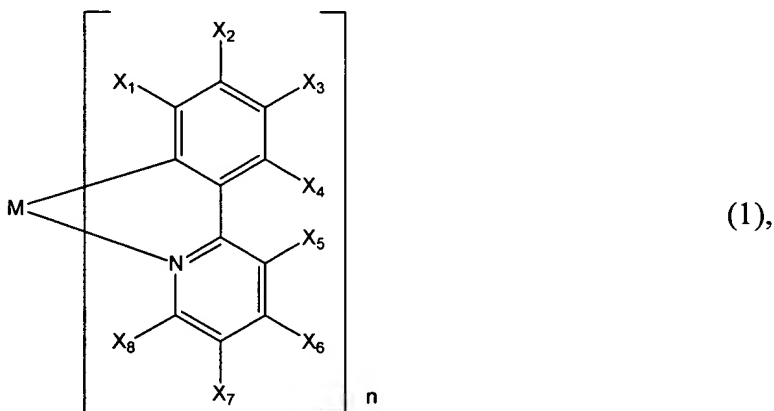


D. Amendment to the Claims

Please cancel claims 2, 4, 8, 9, 13, 15, 19 and 20 without prejudice or disclaimer.

Please amend claims 1, 3, 5, 6, 12, 14, 16 and 17 and add new claims 26-47 as follows.

1. (Amended) A luminescence device, comprising: an organic compound layer comprising a metal coordination compound represented by the following formula (1):



wherein M denotes Ir, Rh or Pd;

n is 2 or 3; and

X₁ to X₈ ~~X₁ to X₈~~ independently denote a hydrogen atom or a substituent selected from the group consisting of a halogen atom; a nitro group; a trifluoromethyl group; a trialkylsilyl group having three linear or branched alkyl groups each independently having 1 - 8 carbon atoms; and a linear or branched alkyl group having 2 - 20 carbon atoms in which said alkyl group capable of including one methylene group or at least two

non-neighboring methylene groups ~~which~~ can be replaced with -O-, -S-, -C(O)-, -C(O)-O-, -O-C(O)-, -CH=CH- or -C≡C- ~~-O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C=C-~~ and which said alkyl group includes a ~~capable of including~~ hydrogen atom which can be replaced with a fluorine atom; with the proviso that at least two of X₁-X₄ are substituents other than a hydrogen atom, but not more than one of X₁-X₄ is a fluorine atom ~~X₁ to X₈ is a substituent other than hydrogen atom, and X₂ and X₃ cannot be fluorine atom at the same time.~~

2. (Cancelled)

3. (Currently Amended) A device according to claim 1, wherein at least one of X₅ to X₈ ~~X₅ to X₈~~ is a substituent other than a hydrogen atom.

A3
cont.

4. (Cancelled)

5. (Currently Amended) A device according to claim 1, wherein at least one of X₂, X₃ and X₄ ~~X₂, X₃ and X₄~~ has a Hammett's substituent constant of at least 0.2 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.

6. (Currently Amended) A device according to claim 1, wherein X₂, X₃ and X₄ provide ~~X₂, X₃ and X₄ provides~~ a sum of Hammett's substituent constant of at least

0.41 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.

7. (Original) A device according to claim 6, wherein the sum of Hammett's substituent constant is at least 0.50.

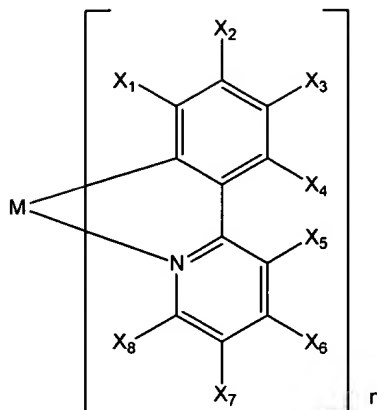
8-9. (Cancelled)

10. (Original) A device according to claim 1, further comprising a pair of electrodes oppositely disposed to sandwich the organic compound layer, wherein a voltage is applied between the pair of electrodes to cause luminescence.

A3
cont.

11. (Original) A display apparatus, comprising: a luminescence device according to claim 1 and drive means for driving the luminescence device.

12. (Currently Amended) A metal coordination compound, which can be used adapted for use in a luminescence device, represented by the following formula (1):



(1),

wherein M denotes Ir, Rh or Pd;

n is 2 or 3; and

X₁ to X₈ ~~X₁ to X₈~~ independently denote a hydrogen atom or a substituent

selected from the group consisting of a halogen atom; a nitro group; a trifluoromethyl

group; a trialkylsilyl group having three linear or branched alkyl groups each independently

having 1 - 8 carbon atoms; and a linear or branched alkyl group having 2 - 20 carbon atoms

in which said alkyl group capable of including one methylene group or at least two

non-neighboring methylene groups which can be replaced with -O-, -S-, -C(O)-,

-C(O)-O-, -O-C(O)-, -CH=CH- or -C≡C- -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH-

or -C=C- and which said alkyl group includes a capable of including hydrogen atom which

can be replaced with a fluorine atom; with the proviso that at least two of X₁-X₄ are

substituents other than a hydrogen atom, but not more than one of X₁-X₄ is a fluorine atom

~~X₁ to X₈ is a substituent other than hydrogen atom, and X₂ and X₃ cannot be fluorine~~

atom at the same time.

13. (Cancelled)

14. (Currently Amended) A compound according to claim 12, wherein at least one of X₅ to X₈ ~~X₅ to X₈~~ is a substituent other than a hydrogen atom.

15. (Cancelled)

16. (Currently Amended) A compound according to claim 12, wherein at least one of X₂, X₃ and X₄ ~~X₂, X₃ and X₄~~ has a Hammett's substituent constant of at least 0.2 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.

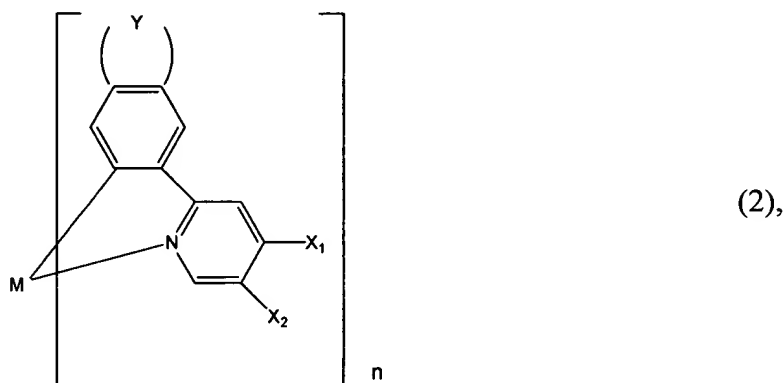
A3
CONT

17. (Currently Amended) A compound according to claim 12, wherein X₂, X₃ and X₄ provide ~~X₂, X₃ and X₄ provides~~ a sum of Hammett's substituent constant of at least 0.41 with respect to the carbon atom connected to M, and the metal coordination compound exhibits a peak emission wavelength in toluene at 25 °C of at most 490 nm.

18. (Original) A compound according to claim 17, wherein the sum of Hammett's substituent constant is at least 0.50.

19-20. (Cancelled)

21. (Withdrawn) A luminescence device, comprising: an organic compound layer comprising a metal coordination compound represented by the following formula (2):

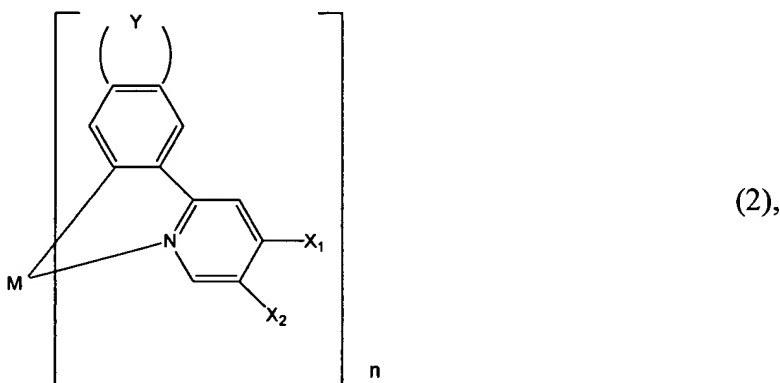


wherein M denotes Ir, Rh or Pd; n is 2 or 3; Y denotes an alkylene group having 2 - 4 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S- or -CO- and capable of including hydrogen atom which can be replaced with a linear or branched alkyl group having 1 - 10 carbon atoms; and X1 and X2 independently denote hydrogen atom; halogen atom; nitro group; trialkylsilyl group having 1 - 8 carbon atoms; or a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C≡C- and capable of including hydrogen atom which can be replaced with fluorine atom.

22. (Withdrawn) A device according to claim 21, wherein at least one of X1 to X2 is hydrogen atom.

23. (Withdrawn) A device according to claim 21, further comprising a pair of electrodes oppositely disposed to sandwich the organic compound layer, wherein a voltage is applied between the pair of electrodes to cause luminescence.

24. (Withdrawn) A metal coordination compound, adapted for use in a luminescence device, represented by the following formula (2):



wherein M denotes Ir, Rh or Pd; n is 2 or 3; Y denotes an alkylene group having 2 - 4 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S- or -CO- and capable of including hydrogen atom which can be replaced with a linear or branched alkyl group having 1 - 10 carbon atoms; and X1 and X2 independently denote hydrogen atom; halogen atom; nitro group; trialkylsilyl group having 1 - 8 carbon atoms; or a linear or branched alkyl group having 1 - 20 carbon atoms capable of including one or at least two non-neighboring methylene groups which can be replaced with -O-, -S-, -CO-, -CO-O-, -O-CO-, -CH=CH- or -C≡C- and capable of including hydrogen atom which can be replaced with fluorine atom.

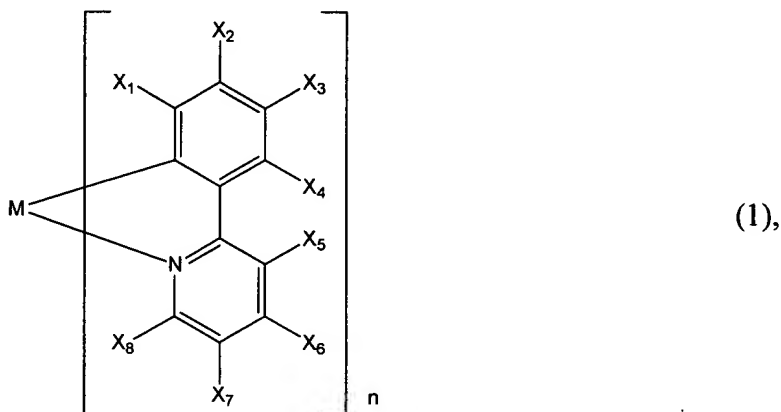
A3
cont.

25. (Withdrawn) A compound according to claim 24, wherein at least

one of X1 to X2 is hydrogen atom.

26. (New) A metal coordination compound, which can be used in a

luminescence device, represented by the following formula (1):



wherein M is Ir; n is 3; X₁, X₂, X₄, X₅, X₇, and X₈ are H; X₃ is Cl; and X₆ is

A4

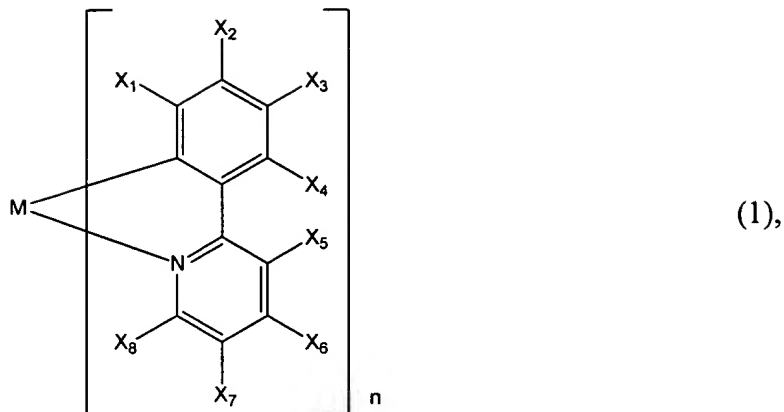
OCH₃.

27. (New) A luminescence device comprising a metal coordination

compound according to claim 26.

28. (New) A metal coordination compound, which can be used in a

luminescence device, represented by the following formula (1):



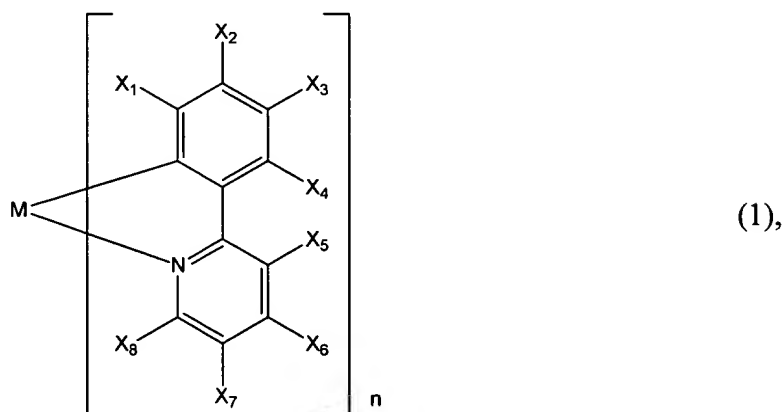
wherein M is Ir; n is 3; X₁, X₂, X₄, X₅, X₆, X₇, and X₈ are H; and X₃

is NO₂.

29. (New) A luminescence device comprising a metal coordination compound according to Claim 27.

A4
cont.

30. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):

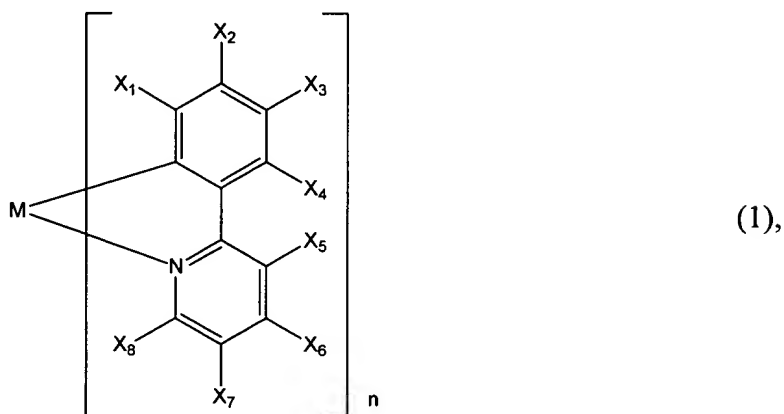


wherein M is Ir; n is 3; X₁, X₂, X₄, X₅, X₆, X₇, and X₈ are H; and X₃ is

OCH(CH₃)₂.

31. (New) A luminescence device comprising a metal coordination compound according to claim 30.

32. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):

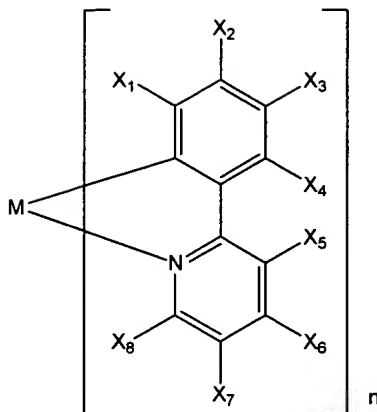


wherein M is Ir; n is 3; X₁, X₂, X₄, X₅, X₆, X₇, and X₈ are H; and X₃ is

OC₅H₁₁.

33. (New) A luminescence device comprising a metal coordination compound according to claim 32.

34. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):



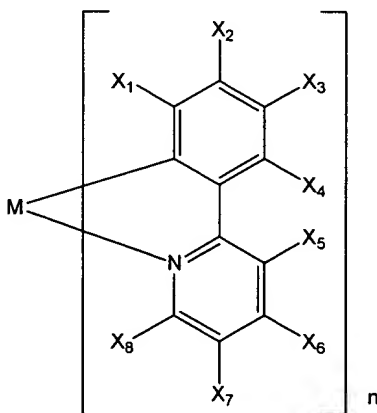
(1),

wherein M is Ir; n is 3; X_1 , X_2 , X_4 , X_5 , X_7 , and X_8 are H; and X_3 is $\text{OCH}(\text{CH}_3)_2$; and X_6 is OCH_3 .

35. (New) A luminescence device comprising a metal coordination compound according to claim 34.

A4
cont.

36. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):

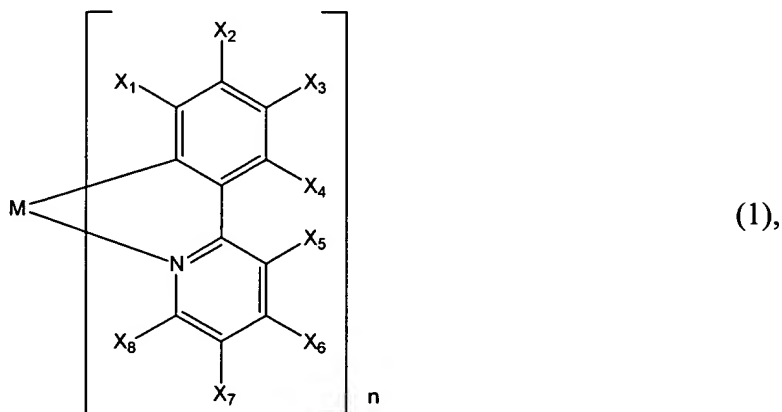


(1),

wherein M is Ir; n is 3; X_1 , X_2 , X_4 , X_5 , X_6 , and X_8 are H; and X_3 is $\text{OCH}(\text{CH}_3)_2$; and X_7 is CF_3 .

37. (New) A luminescence device comprising a metal coordination compound according to claim 36.

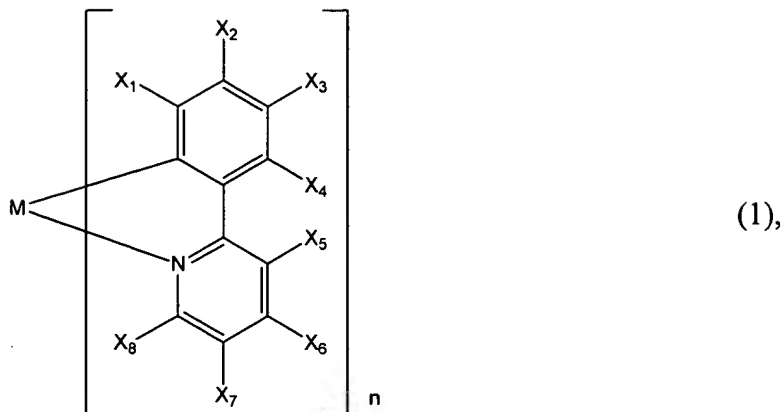
38. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):



wherein M is Ir; n is 3; X₁, X₄, X₅, X₇, and X₈ are H; X₂ is C₂H₅; and X₃ and X₆ are OCH₃.

39. (New) A luminescence device comprising a metal coordination compound according to claim 38.

40. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):

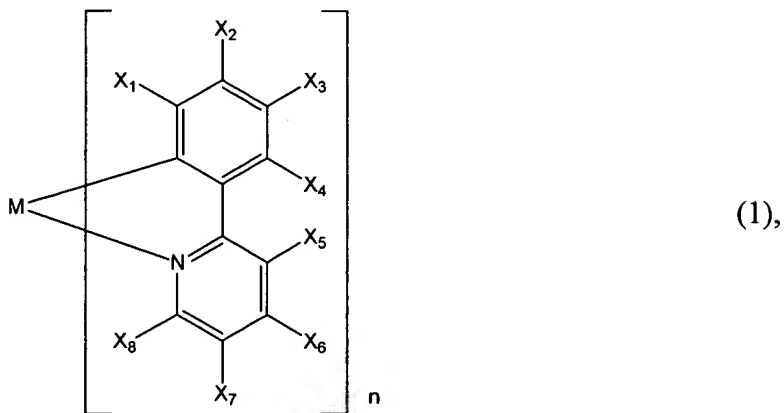


wherein M is Rh; n is 3; X_1 and X_4 - X_8 are H; X_2 is C_2H_5 ; and X_3 is OCH_3 .

41. (New) A luminescence device comprising a metal coordination compound according to claim 40.

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cont.

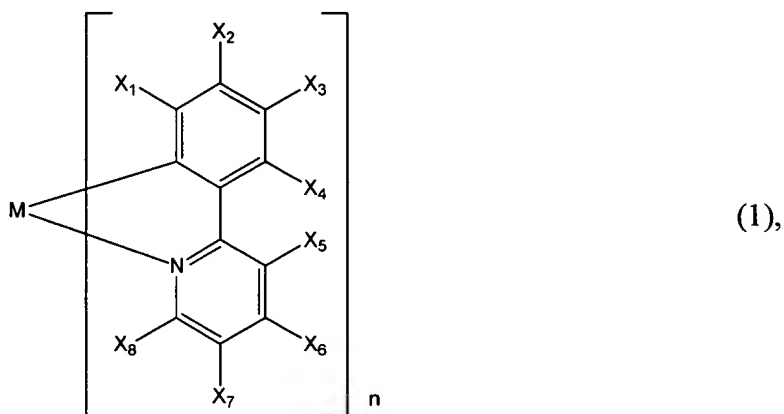
42. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):



wherein M is Rh; n is 3; X_1 , X_2 , X_4 , X_5 , X_6 , and X_8 are H; X_3 is $OCH(CH_3)_2$; and X_7 is CF_3 .

43. (New) A luminescence device comprising a metal coordination compound according to claim 42.

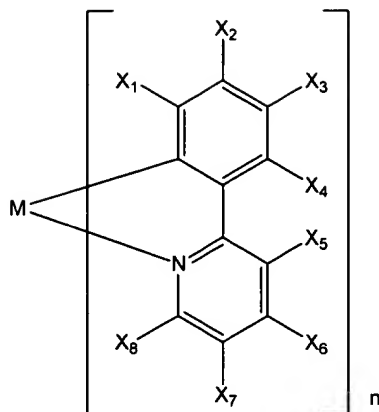
44. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):



wherein M is Ir; n is 3; X₁, X₂ and X₄-X₈ are H; and X₃ is F.

45. (New) A luminescence device comprising a metal coordination compound according to claim 44.

46. (New) A metal coordination compound, which can be used in a luminescence device, represented by the following formula (1):



(1),

AA
cont.

wherein M is Ir; n is 3; X₁-X₆ and X₈ are H; and X₇ is CF₃.

47. (New) A luminescence device comprising a metal coordination compound according to claim 46.